

174

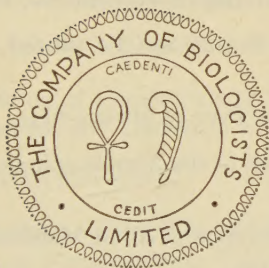
Quarterly Journal of Microscopical Science

JOINT EDITORS

C. F. A. PANTIN, Sc.D., F.R.S.

JOHN R. BAKER, D.Sc.

VOLUME 89. Third Series



Published for the Company of Biologists Limited

OXFORD: AT THE CLARENDON PRESS

LONDON: GEOFFREY CUMBERLEGE

1948

QH
201
Q2

CONTENTS

Contents of Volume 89, Part 1

	Page
J. A. C. Nicol. The Giant Nerve-fibres in the Central Nervous System of <i>Myxicola</i> (Polychaeta, Sabellidae). With 14 Text-figures and 3 Plates .	1
J. Hanson. Transport of Food through the Alimentary Canals of Aquatic Annelids	47
I. Chester Jones. Variation in the Mouse Adrenal Cortex with Special Reference to the Zona Reticularis and to Brown Degeneration, together with a Discussion of the 'Cell Migration' Theory. With 4 Plates and 6 Text-figures	53
K. S. Chodnik. Cytology of the Glands associated with the Alimentary Tract of Domestic Fowl (<i>Gallus domesticus</i>). With 29 Text-figures .	75
A. Brodal and R. G. Harrison. Observations on the Chemical Composition of Myelin and the Smallest Size of Myelinated Nerve-fibres in the Central Nervous System. With 1 Plate	89
J. R. Baker. The Cell-theory: a Restatement, History, and Critique. Part I	103

Contents of Volume 89, Part 2

T. Kerr. The Pituitary in Normal and Parasitized Roach (<i>Leuciscus rutilus</i> Flem.). With 1 Plate	129
Jean Hanson. An Unusual Type of Muscle-fibre. With 2 Text-figures .	139
D. Barker. The Innervation of the Muscle-spindle. With 3 Plates and 13 Text-figures	143
P. B. Medawar. The Cultivation of Adult Mammalian Skin Epithelium <i>in vitro</i> . With 5 Text-figures	187
V. B. Wigglesworth. The Structure and Deposition of the Cuticle in the Adult Mealworm, <i>Tenebrio molitor</i> L. (Coleoptera). With 2 Plates and 8 Text-figures	197
R. A. R. Gresson and I. Zlotnik. A Study of the Cytoplasmic Components during the Gametogenesis of <i>Bos taurus</i> . With 1 Plate and 14 Text-figures	219
A. J. Cain. An Easily Controlled Method for Staining Mitochondria .	229
J. R. Baker. A New Method for Oblique Microscopical Illumination. With 2 Text-figures	233

Contents of Volume 89, Part 3

	<i>Page</i>
P. B. Medawar. Tests by Tissue Culture Methods on the Nature of Immunity to Transplanted Skin.	239
N. J. Berrill. Budding and the Reproductive Cycle of <i>Distaplia</i>	253
A. D. Lees and J. W. L. Beament. An Egg-waxing Organ in Ticks. With 1 Plate	291
Owen Lewis Thomas. A Study of the Spheroid System of Sympathetic Neurones with Special Reference to the Problem of Neurosecretion. With 2 Plates	333
D. A. Kempson, O. L. Thomas, and J. R. Baker. A Simple Method for Phase-Contrast Microscopy	351

Contents of Volume 89, Part 4

H. P. Whiting. Nervous Structure of the Spinal Cord of the Young Larval Brook-Lamprey. With 2 Plates and 17 Text-figures	359
A. G. Willis. Studies on <i>Lagenophrys tattersalli</i> (Ciliata Peritricha, Vorticellinae)	385
W. Siang Hsu. The Golgi Material and Mitochondria in the Salivary Glands of the Larva of <i>Drosophila melanogaster</i>	401
W. L. Doyle. Phosphatase Activity of <i>Drosophila</i> Salivary Glands	415
A. J. Cain. The Accumulation of Carotenoids in the Golgi Apparatus of Neurones of <i>Helix</i> , <i>Planorbis</i> , and <i>Limnaea</i>	421
A. J. Cain. A Further Note on Nile Blue	429
J. D. Smyth and C. A. Hopkins. Ester Wax as a Medium for Embedding Tissue for the Histological Demonstration of Glycogen	431
C. Overgaard. A Simple Method for Orientating Small Objects for Sectioning, with Special Regard to Nematodes	437
R. Barer and A. E. Saunders-Singer. A Single-control Micromanipulator. With 1 Plate	439

